



Project: Alaska Copper Works

Inspection Date: 9/16/19

Project No.: 19ACW1

Technician: David DuBois

**System Performance:**

Was system running during the inspection? ☒ Yes ☐ No

Flow Rates (gpm)	Influent	<u>95</u>	Effluent	<u>n/a</u>	The flows should be ~155 gpm
Bag Filter #1 Pressures (psi)	Influent	<u>10</u>	Effluent	<u>5</u>	The bag filters should be replaced if differential pressure > 8 psi
Bag Filter #2 Pressures (psi)	Influent	<u>10</u>	Effluent	<u>5</u>	
Carbon Filter Pressures (Lead)	Influent	<u>n/a</u>	Effluent	<u>n/a</u>	The carbon filters should be backflushed if differential pressure > 8 psi
Carbon Filter Pressures (Lag)	Influent	<u>n/a</u>	Effluent	<u>n/a</u>	

Were the bag filters replaced? ☒ Yes ☐ No

Was the carbon backflushed? ☐ Yes ☒ No

**Maintenance and Inspection Checklist:**

Task	Completed (Y/N)	Issues/Notes/Comments
Walchem Controller Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	No issues
Flow Meters Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Cleaned
Level Sensor Cleaning/Inspection	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Inspect System Plumbing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Pumps Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
General Housekeeping	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Chemistry Level	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	50 Gal 10% Caustic 55 Gal 25% Caustic
Safety Materials Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
pH Probe Inspection/Calibration	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Verified



**Water Sampling:**

Were water samples taken? ☐ Yes ☒ No

Raw water:                      pH    6.62                      Turbidity    6.42    NTU

Bag Filter Influent            pH    7.26                      Turbidity    5.90    NTU

Bag Filter Effluent            pH    7.31                      Turbidity    5.28    NTU

Carbon Filter Influent        pH    n/a                        Turbidity    n/a    NTU

Carbon Filter Effluent        pH    n/a                        Turbidity    n/a    NTU

**Monthly Tasks:**

Were samples submitted to Analytical? ☐ Yes ☒ No

Analytical Lab: \_\_\_\_\_

Was Walchem data downloaded? ☐ Yes ☒ No

Were the tank sludge levels checked? ☐ Yes ☒ No

**Sludge Depth (inches):**

Decant Tank:                n/a

Treatment tank:            n/a

Backflush tank:            n/a

Main lift station:           n/a

North lift station:          n/a

South lift station:          n/a

**Additional Comments, Recommendations and System Upsets:**

Recirculated water to collect filter pressures.  
Filter cartridges replaced on 9/10/19.

David DuBois

Technician

Project Lead Tech

Title

9/16/19

Date

**Submit**